



MARINE CORPS SYSTEMS COMMAND
HOME OF THE MARINE CORPS ACQUISITION PROFESSIONALS

Planning Brief to Industry 2015

Program Manager Light Armored Vehicles



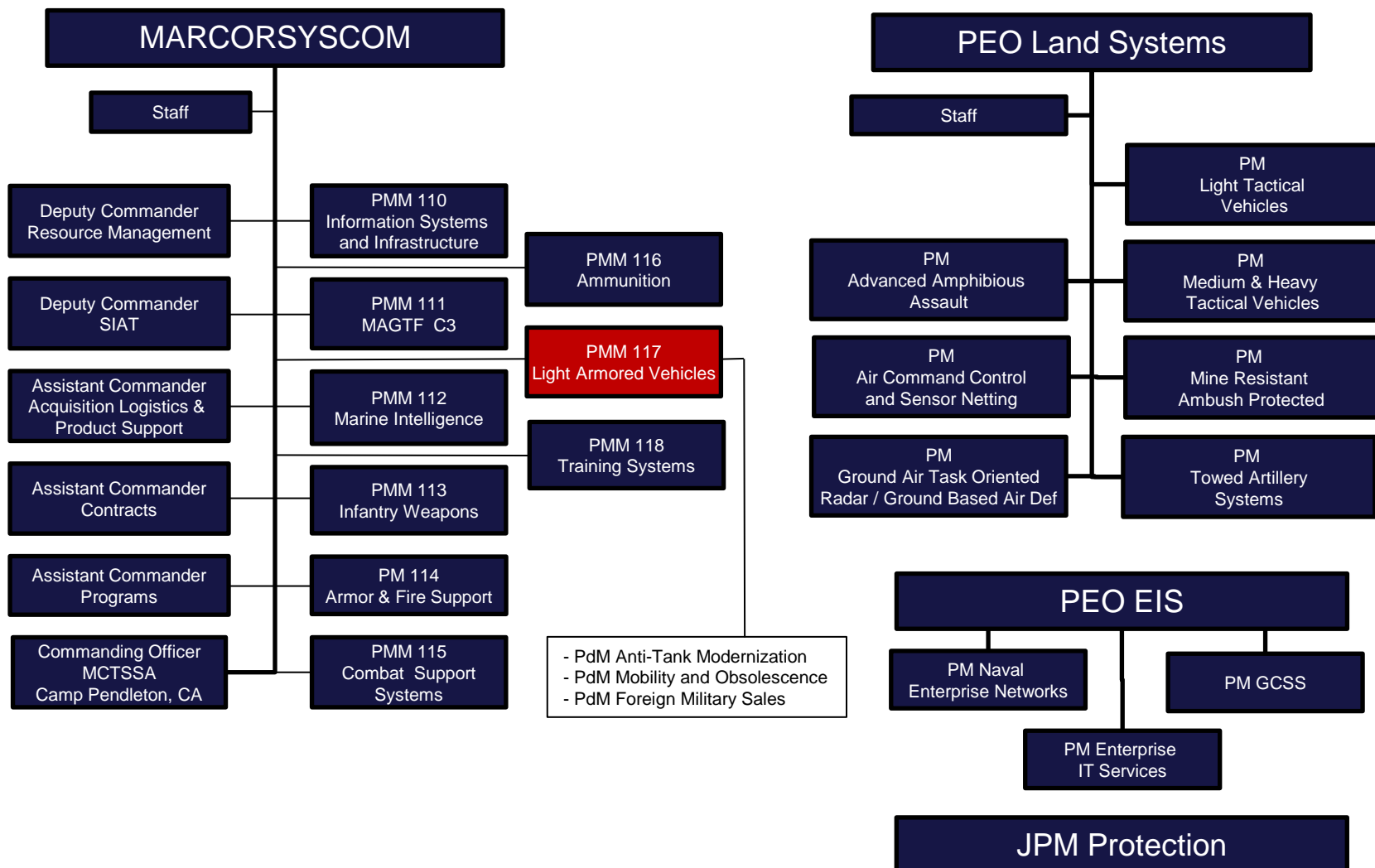
Col Mark Brinkman



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Program Manager

Deputy Program Manager

Operations Manager

Col Mark Brinkman

Mr. John Myers

Maj Max Stapp

Product Managers

PdM Anti-Tank Modernization (ATM)

PdM Mobility and Obsolescence (MOB)

PdM Foreign Military Sales (FMS)

Mrs. Diane McCarthy

Mr. John Polanco

Mr. Gary Shoults

Assistant Program Managers

Business Manager

Life Cycle Logistics

Contracts Management

Programs

Engineering

Mrs. Sandra Weber

Mr. Eric Fader

Mr. Robert Sinclair-Smith

Mrs. Linda Passeri

Mr. Robert Halle



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USMC Family of Light Armored Vehicles



Command & Control



Logistics



Mortar 81MM



25MM Light Assault



Recovery



Electronic Warfare



Anti-Tank



PM Light Armored Vehicles

(\$M)	FY16	FY17	FY18	FY19	FY20	FY21
MOB – RDT&E	\$11.3	\$14.5	\$1.6	\$5.1		
MOB – PMC	\$0	\$41.7	\$88.3	\$115.0	\$115.6	
ATM – RDT&E	\$0	\$0	\$0	\$0		
ATM – PMC	\$56.2	\$54.6	\$35.1	\$0		
FMS – Case Lines	\$7.0	\$8.0	\$10.0	\$10.0		
Modifications – RDT&E	\$0	\$0	\$13.0	\$4.2	\$9.5	
Modifications – PMC	\$0	\$2.0	\$2.0	\$2.0	\$2.0	

PresBud 2016 Figures



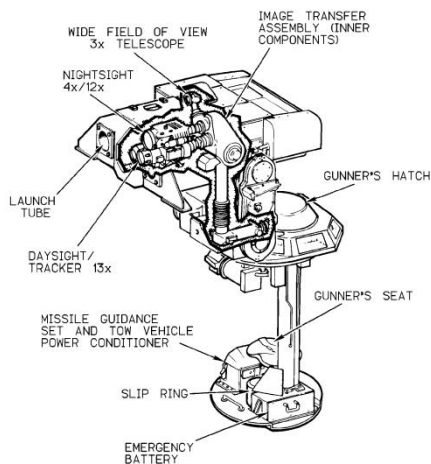
- Anti-Tank Modernization Program:
 - A mission suite upgrade that addresses obsolescence and provide improved reliability, availability, and maintainability.
- Scope:
 - Acquire targets while on-the-move, precision long-range capability to destroy enemy tanks along with advance thermal sight (2nd Generation FLIR) and advanced guidance control system.
 - *System is now in production.*



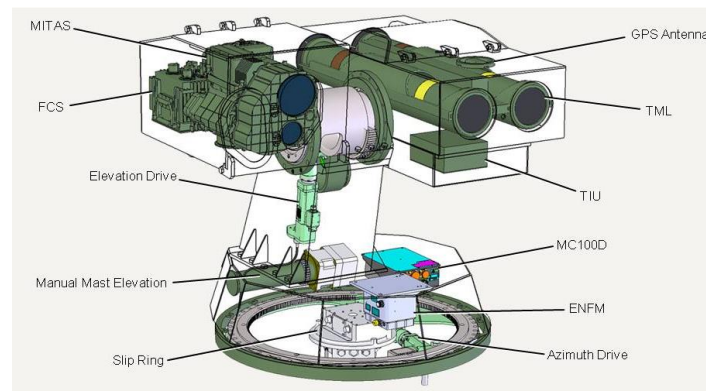
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M0304455



Emerson 901 Turret (Legacy)

- Turret is manned, gunner sits in turret
- Guidance set (=FCS) located under gunners seat in turret
- Has optical path and thermal imager in hammer head
- Has a hydraulic drive system
- Can't be erected while on the move
- Sighting system must be removable for ground mounting
- Has no laser range finder
- Has no Far Target Location system
- Manual turret drive back-up is by manual hydraulic pump
- Turret has vision blocks
- Turret has gunner's hatch
- Has small emergency battery for sighting system only
- Hydraulic stow with mechanical back-up
- No protective cover for day sight tracker
- Only Gunner has video and optical sight view

ATWS Turret

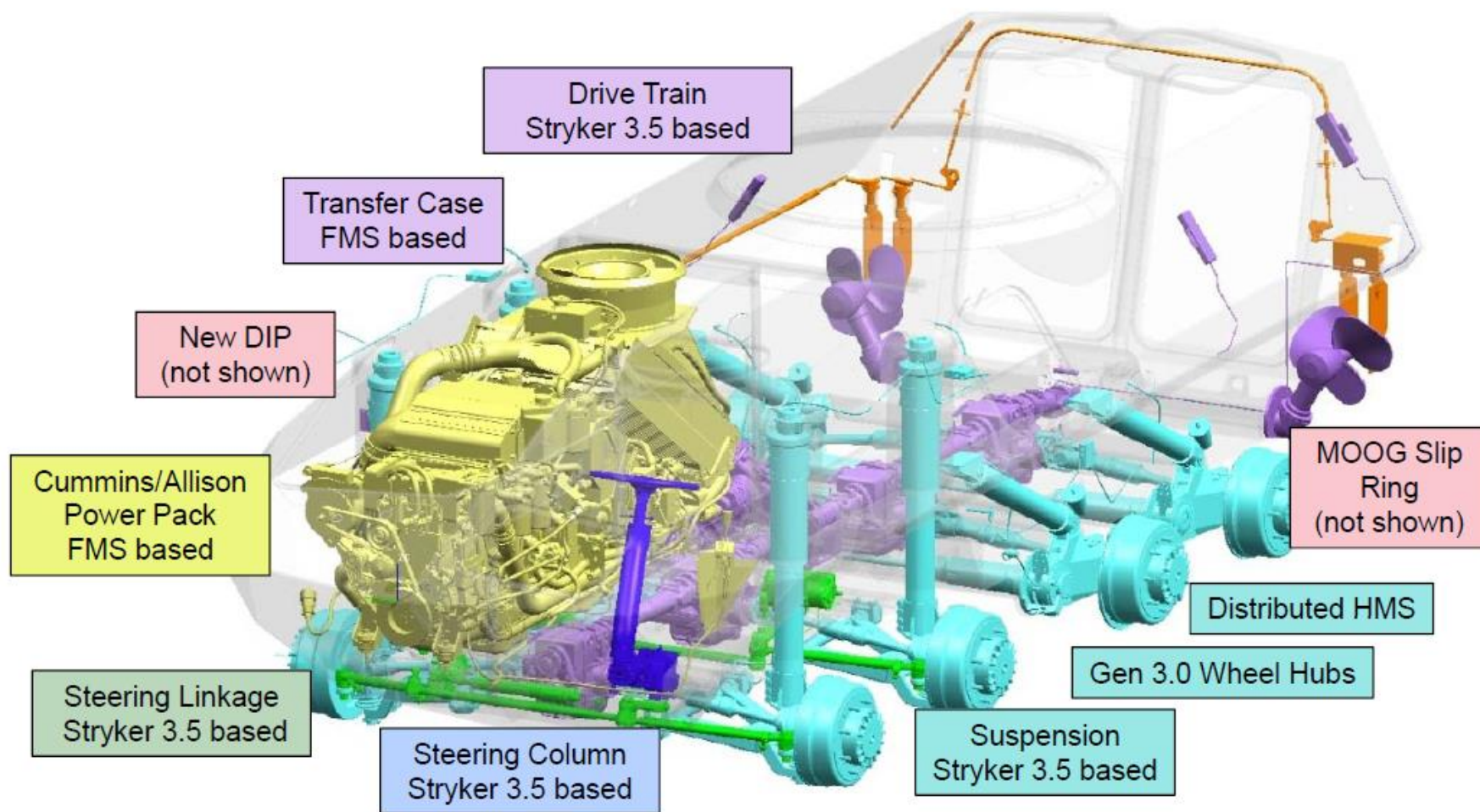
- Turret is unmanned, gunner sits in vehicle chassis
- Exterior armored sensor enclosure houses MTAS & FCS
- Has Day Camera and Thermal Imager in the hammer head
- Has an electric EL & AZ drive system
- Is erect on the move and only placed in Stow for Transit
- Sighting system is hard mounted
- Has eye safe laser range finder
- Has Far Target Locator capabilities
- Has backup mechanical EI and Az drive
- Turret has no vision blocks
- Back-up battery system for independent turret operation
- Manual mechanical stow
- Armored ballistic door cover for MTAS
- Gunner and commander have video sight displays
- Auto TML missile loading position capability



- **Mobility and Obsolescence Program:**
 - Restore lost platform performance due to increased GVW and correct significant automotive obsolescence issues by utilizing mature FMS and US Army Stryker Technology.
- **Scope:**
 - Replace power pack (engine production ceased in 2012, OEM support ends 2022, trans production ceased in 2003, OEM support ended 2012).
 - Replace driveline (T-Case, differential, driveshaft).
 - Replace steering system (durability, reliability issues).
 - Replace slip ring and DIP (obsolescence and compatibility).



MOB Components





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Saudi Arabian National Guard (SANG) & Royal Saudi Land Forces (SWORD)

LAV-25 - 428



Personnel Carrier - 52



Ambulance - 79



Recovery - 77



Anti-Tank - 111



Anti-Tank - for WAE



Mortar - 73



Mortar - for WAE



Command & Control -
203



Engineer - 38



Ammo Carrier - 20



Assault Gun - 144



2104 Total Vehicles



Light Armored Vehicle Business Opportunities

Title	Funding	Planned RFP
Pneumatic switch and locking pin	PMC	2Q FY16
Cost Reduction Initiatives (Competition)	TBD	TBD